Analysis Menu

The Analysis group contains options to run the AERMOD (when in AERMOD mode), ISC (when in ISC mode), BPIP, and AERMAP models.

AERMOD model runs (execution of the AERMOD Fortran program) can be performed two ways:

1. Running the currently loaded model scenario using the Analysis | Model Run menu item to execute the currently loaded (opened) model scenario.
2. Running a batch (more than one) of model scenarios using the Analysis | Schedule Runs menu item.

The Schedule Runs menu item is not available in ISC mode. ISC model runs can be performed using the Model Run menu item.

Before a model run is executed, it is recommended to view the Warnings and Errors in the Project Tab to quality control input data.

Model Run

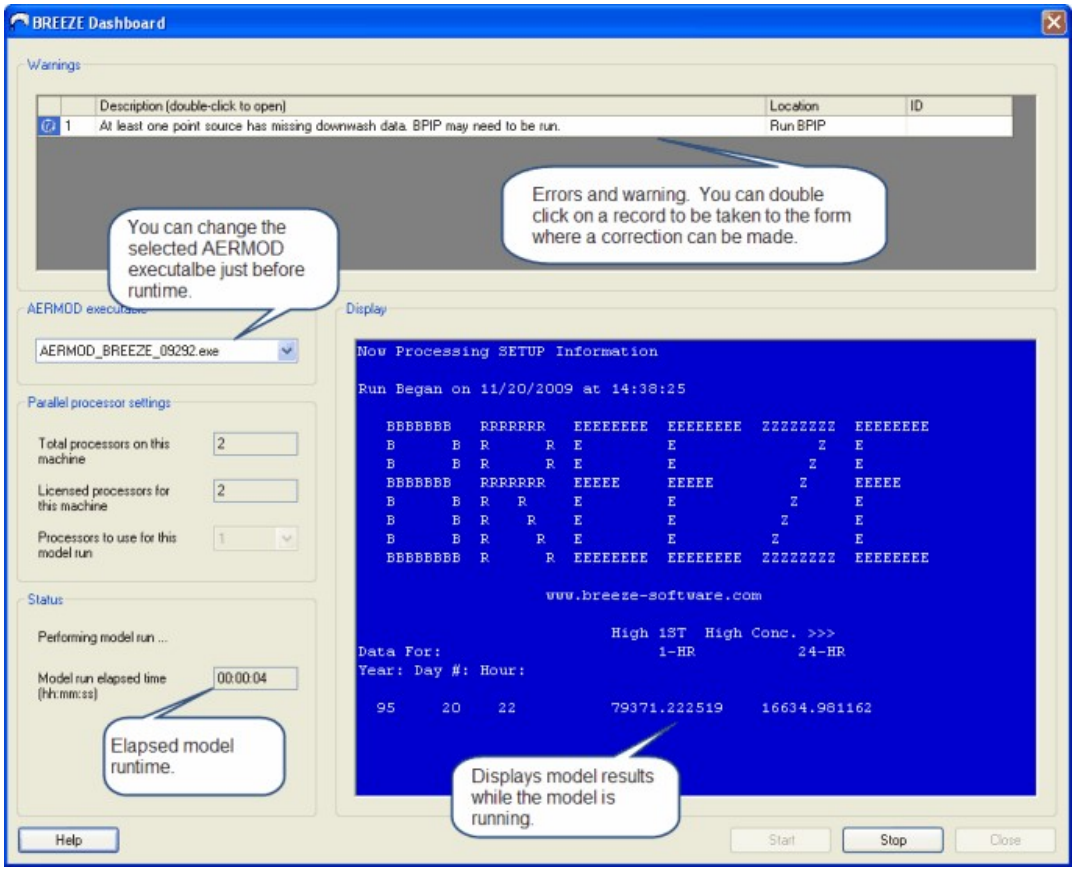
NOTE: The BREEZE enhanced FORTRAN executable and BREEZE Dashboard display are **only available in the Professional version** of BREEZE AERMOD/ISC. To upgrade your version, contact us.

After the necessary information has been entered, the model can be run. This is accomplished by selecting the Analysis | Model Run menu item. It is always a good idea to review the warning and error messages in the Project tab prior to making a model run.

Before the run starts, the BREEZE Dashboard is displayed.

The BREEZE Dashboard provides the control and information before and during a model run. The Dashboard allows the user to:

- change the default AERMOD executable
- view and correct any project errors and warnings
- define parallel processor settings (requires BREEZE AERMOD Parallel)
- monitor model run progress
- interrupt model execution



AERMOD Executable

By default, the Fortran executable identified in the model input file is used. The user has the option to select an alternative executable that will be used to execute the model run, if available.

Status

The status of the model run(s) is displayed.

Display

Displays the runtime output display from the selected Fortran executable.

Start, Stop, Close Buttons

Start Starts the Fortran model runs

Stop Stops the model runs. Using this button will interrupt the Fortran executables and prevent any further execution. Execution will not restart where processing left off if the Start button is subsequently selected.

Close Closes the Scheduler form.

Viewing Model Output

Model output can be viewed in a number of ways:

1. View tabular results in the Reports Tab.
2. Use the Zip File Manager (Project Tools | Zip File Manager) to extract the model input and output files
3. Open the compressed model scenario .amz file with BREEZE 3D Analyst

BRMS

NOTE: The BREEZE Remote Modeling System is only available for AERMOD.

The BRMS menu available from the Analysis menu gives users two ways to upload model runs to the BREEZE Remote Modeling System (BRMS):

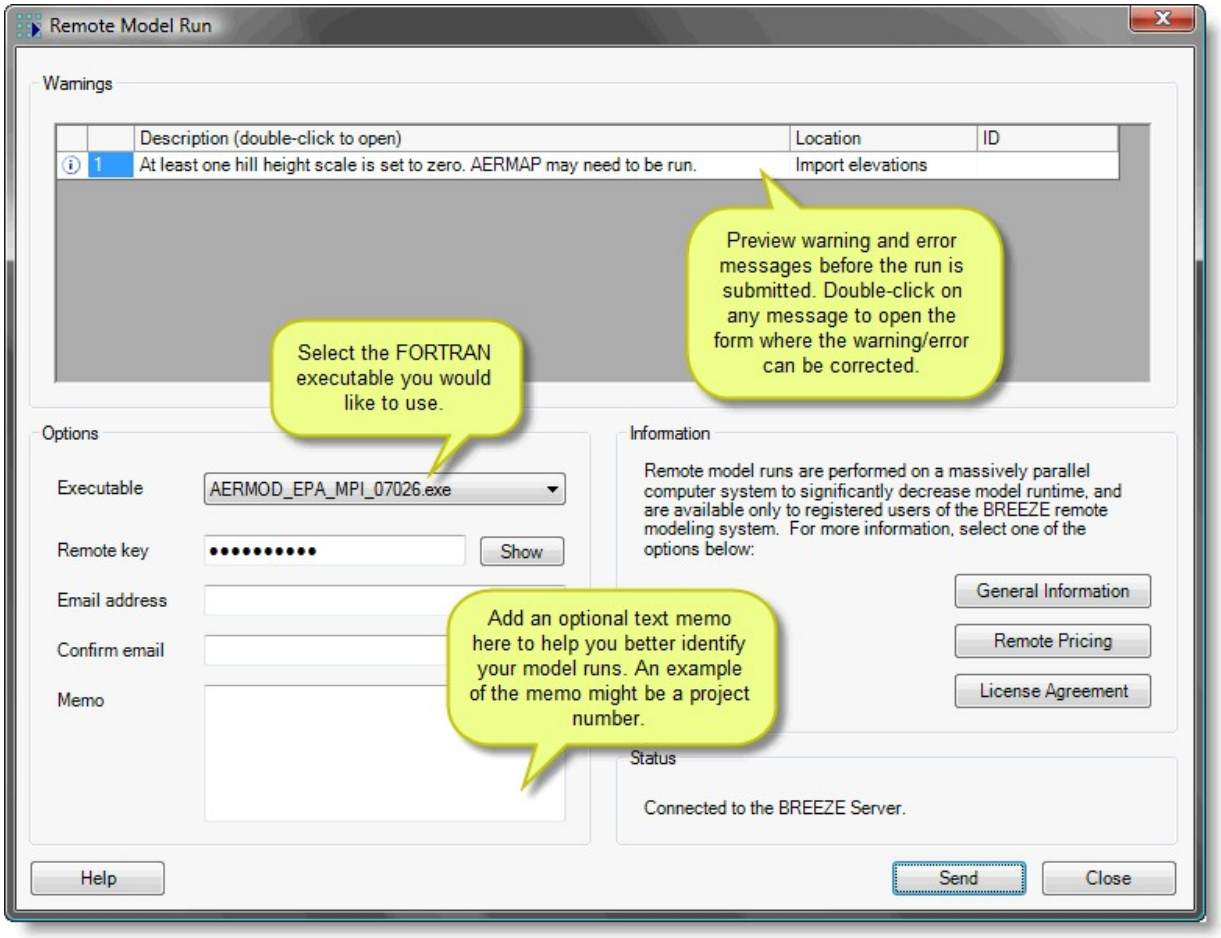
1. Send a single run to the BRMS

2. Batch multiple runs in a single submittal

Options for submitting runs to the BRMS

More information about this system can be found here: http://remote.AERMOD.com.

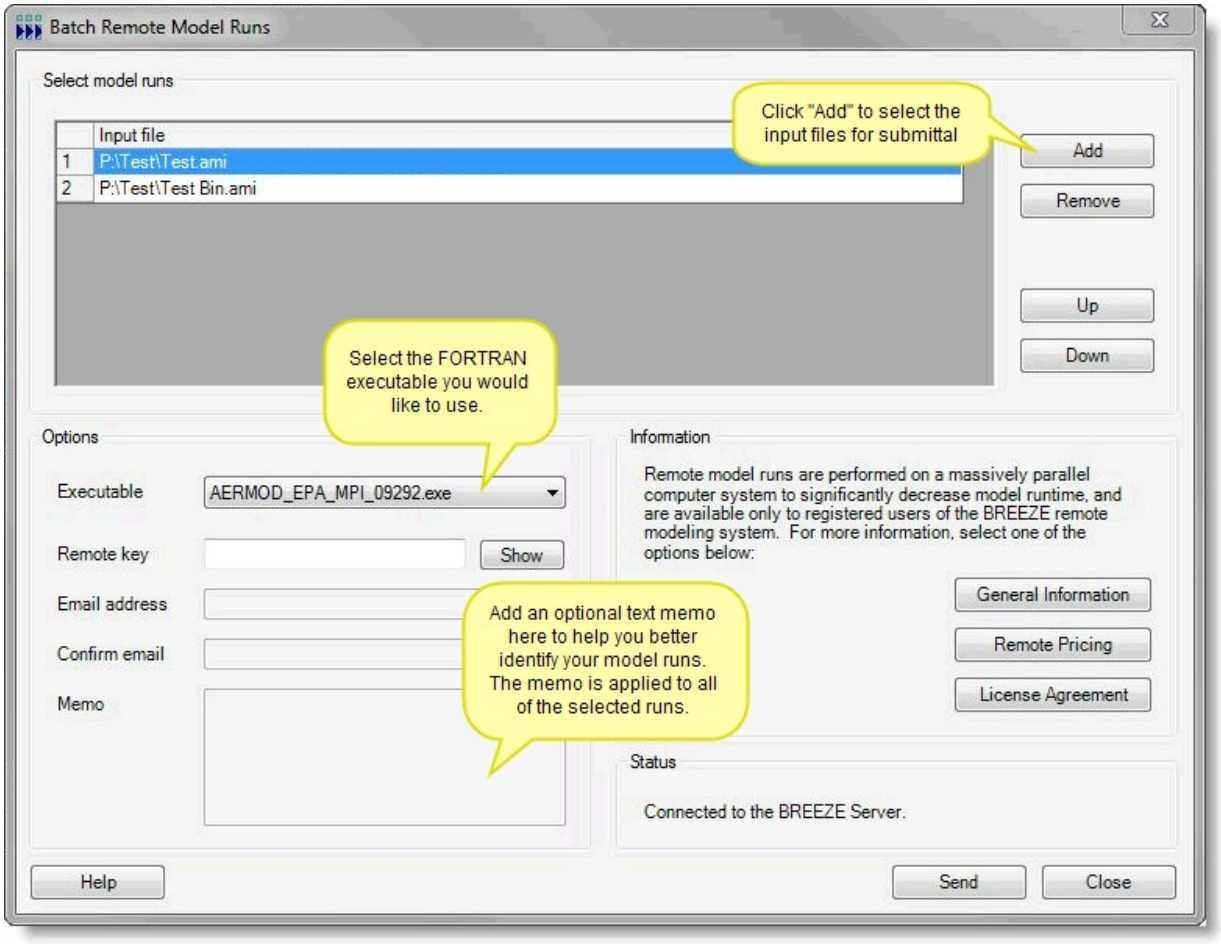
Using the BREEZE Remote Modeling System frees up your computer to allow you to do other things. Prior to submitting a run on the BRMS, you must first purchase a Remote Key that will authorize the run. Remote Keys can be purchased by contacting us at breeze@trinityconsultants.com. Pricing information can be found at http://remote.AERMOD.com .


Remote Model Run
Warnings
Description (double-click to open)
Location
ID
1
At least one hill height scale is set to zero. AERMAP may need to be run.
Import elevations
Preview warning and error messages before the run is submitted. Double-click on any message to open the form where the warning/error can be corrected.
Select the FORTRAN executable you would like to use.
Options
Executable
AERMOD_EPA_MPI_07026.exe
Remote key
Show
Email address
Confirm email
Memo
Add an optional text memo here to help you better identify your model runs. An example of the memo might be a project number.
Information
Remote model runs are performed on a massively parallel computer system to significantly decrease model runtime, and are available only to registered users of the BREEZE remote modeling system. For more information, select one of the options below:
General Information
Remote Pricing
License Agreement
Status
Connected to the BREEZE Server.
Help
Send
Close

Remote Model Run dialog

Warnings

Displays a list of warnings and error messages that could prevent model runs from completing successfully. Double click on a row to bring up the form where the warning or error can be corrected.


Batch Remote Model Runs
Select model runs
Input file
1 P:\Test\Test.ami
2 P:\Test\Test Bin.ami
Click "Add" to select the input files for submittal
Add
Remove
Up
Down
Select the FORTRAN executable you would like to use.
Options
Executable
AERMOD_EPA_MPI_09292.exe
Remote key
Show
Email address
Confirm email
Memo
Add an optional text memo here to help you better identify your model runs. The memo is applied to all of the selected runs.
Information
Remote model runs are performed on a massively parallel computer system to significantly decrease model runtime, and are available only to registered users of the BREEZE remote modeling system. For more information, select one of the options below:
General Information
Remote Pricing
License Agreement
Status
Connected to the BREEZE Server.
Help
Send
Close

Batch Remote Model Runs dialog

Select model runs

Displays the selected model runs to be submitted to the BRMS

Add: Opens a dialog for selecting AERMOD input files to submit to the BRMS.

Remove: Removes the selected run from the submittal list.

Up: Moves the selected run up the list. The order in which input files are listed are the order in which they will run on the BRMS.

Down: Moves the selected run down the list.

Options

Executable: Select the name of the AERMOD Parallel Fortran executable you wish to use. Users can select between the 09292 and the 07026 versions.

Remote key: Enter the supplied remote key to authorize use of the BRMS. The key will be hidden from view unless you click on the Show button. Contact BREEZE sales for a remote key.

Show: Click this button to show the remote key.

Email address: Enter your email address. Confirmation emails and a link to the model results will be sent to this email address.

Confirm email: The confirm email address must be the same as the first email address entered.

Memo: This field is optional but can be useful to help track model scenario's that have been submitted to the BRMS. Project numbers are often entered into this field.

Status

Indicates if you are connected to the BREEZE Server. You must be connected to the Internet to submit runs to the BREEZE Server. Once the run has been submitted, an Internet connection is not required (except to receive emails from the server).

AERMAP Model Run

In February 2009, the U.S. EPA released a new version of AERMAP - version 09040. This release featured many new enhancements including:

1. Dynamically allocated executable (an unlimited number of DEM files, sources, and receptors can be run)
2. Support for an additional terrain file format: National Elevation Dataset (NED) GeoTIFF files
3. Allowance for use of mixed DEM files (i.e., 7.5-minute and 1-degree files in the same run)
4. Automatic selection of the hill height domain

BREEZE AERMOD/ISC includes all of these enhancements as detailed below

BREEZE ISC uses the most recent version of AERMAP (version 09040).

BREEZE provides a robust method for importing digital terrain elevation files. This importation process is initialized from the Tools menu.

Note: Terrain elevations that are imported and assigned to model objects are for the model objects current positions. If a model object is moved, or if model objects are added after terrain has been imported, terrain files will need to be re-imported.

Note: To use NTF files and XYZ files for elevation importation, please refer to the next section, Terrain File Formats.

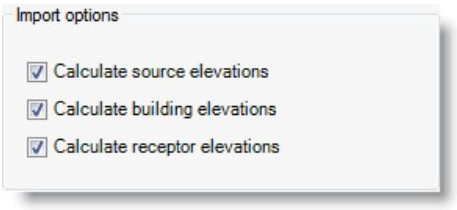
IMPORTANT NOTE: AERMAP is the preprocessor developed US EPA to import model object elevations into AERMOD and ISC. AERMAP only supports UTM coordinate system using the following 6 datums: North American Datum of 1927 (NAD27), World Geodetic System of 1972 WGS72), World Geodetic System of 1984 (WGS84), North American Datum of 1983 (NAD83), Old Hawaii Datum, Puerto Rico/ Virgin Island Datum. In cases that any other coordinate systems are used, coordinate system for model objects has to be the same as the coordinate system for the terrain files in order to import elevations with AERMAP.

Starting the Import Elevations Tool

From the Analysis group, select the AERMAP menu item. The AERMAP wizard will start.

Import options

You can control what model objects will be processed by BREEZE AERMAP with the use of *Import options*.

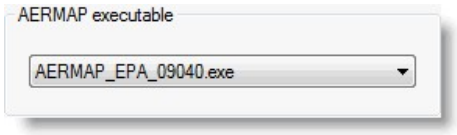


Select the model objects that you want to receive terrain elevations for from the terrain elevation file(s) or DEMs.

Normally, you would want to select all objects listed. It is common to import elevations for receptors and any sources not located onsite (i.e., outside of a boundary receptor). Take care when importing elevations for sources and buildings where a facility grade is not represented in the digital DEM data set. if you add or move a model object (e.g., building, point source) after you have already imported terrain, you may wish to re-import the terrain just for that model object type.

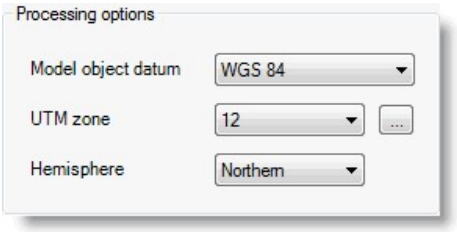
AERMAP Executable

Select the Fortran executable to use when running AERMAP. The BREEZE version is enhanced to allow processing of DEM files for locations outside of the United States and allows for a greater number of receptors to be processed.



Processing options

Process options let the user specify the UTM zone the model objects are located in. This is necessary for the model object's coordinates to be re-projected onto a zone representative of at least one of the DEMs.



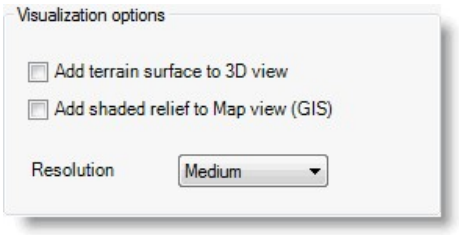
Model Object datum: the datum that your model object (e.g., sources, buildings, and receptors) coordinates are entered as.

UTM zone: the UTM zone the model objects are located in.

Hemisphere: the Hemisphere the model objects are located in.

Visualization options

BREEZE AERMOD can create height maps based on the imported DEM files. Visualization options allow the user to add these height maps to the Map and 3D display windows.



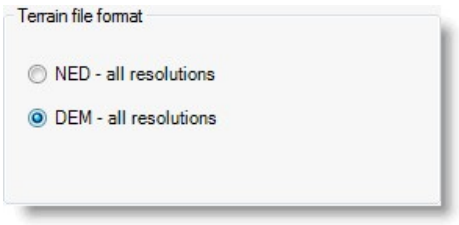
Add terrain surface to 3D view: the height map image will be added to the 3D view.

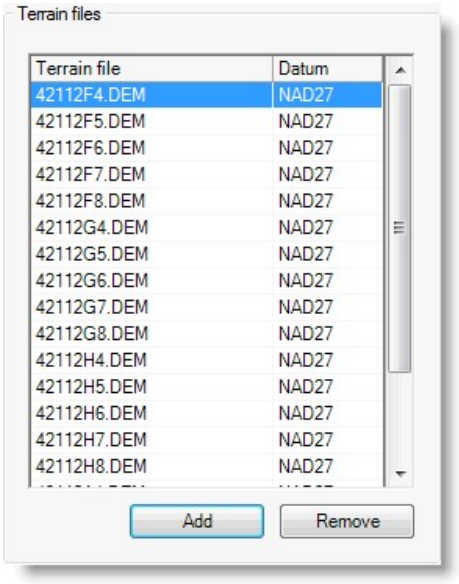
ADD shaded relief to Map view: the height map image will be added to the Map view.

Resolution: Select the resolution of the height map image. Higher resolution shows more detail, but requires more memory.

Terrain Files

These files contain the terrain elevations for numerous terrain nodes. AERMAP version 09040 supports two types of terrain files: National Elevation Dataset (NED) GeoTIFFs and Digital elevation models (DEMs). The user must first select which type of file they want to use:





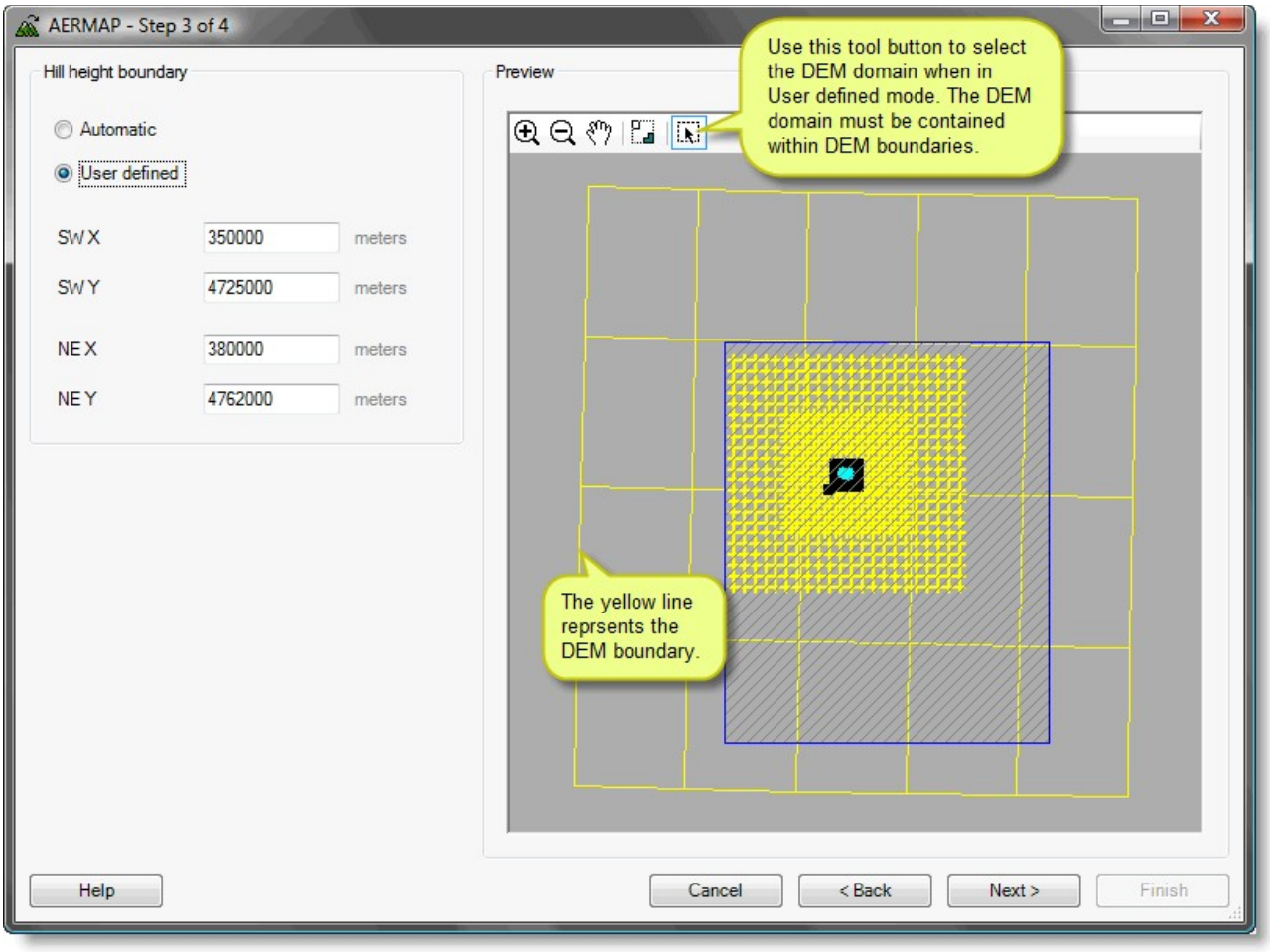
Once the file format has been selected, click the *Add* button to add one or more terrain files. You can import more than one terrain elevation file into the model scenario by clicking the Add button as many the times as needed. Another option is to select multiple files by pressing the CTRL key and selecting individual files or by pressing the SHIFT key and selecting a range of files.

The Datum column will be populated with the appropriate data as read from each terrain file.

AERMAP 09040 also allows for the mixed use of DEMs of different sizes (1-degree and 7.5-minute).

Note: BREEZE will allow you to import terrain files that have different units and datum.

DEM boundary and Hill height boundary


AERMAP - Step 3 of 4
Hill height boundary
Automatic
User defined
SW X 350000 meters
SW Y 4725000 meters
NE X 380000 meters
NE Y 4762000 meters
Preview
Use this tool button to select the DEM domain when in User defined mode. The DEM domain must be contained within DEM boundaries.
The yellow line reprsents the DEM boundary.
Help
Cancel
< Back
Next >
Finish

DEM boundaries

The image above displays model objects and terrain file boundaries. Yellow boxes indicate the boundaries of the DEM files. You may have to zoom out using the zoom tool buttons or view extents button in the form to view the complete extent of the DEM boundaries. If no DEM boundary is visible surrounding your modeling objects, it is likely that the DEM files you have selected are inappropriate for your modeling domain. Only model objects within a DEM boundary will have elevations assigned to them.

Hill height boundary

Beginning in AERMAP 09040, AERMAP will automatically select the hill height boundary as the outer edge of all terrain files present. There may still be cases where the user wishes to select their own hill height boundary to reduce processing time. See the AERMAP modeling guidance for more information on how receptor hill scale heights are computed.

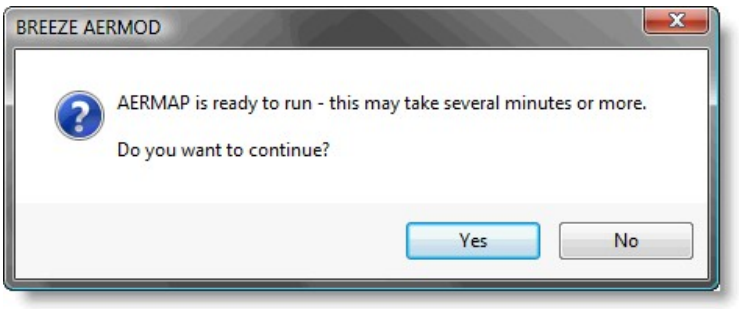
AERMOD uses this defined region to display the terrain relief in the 3D view. To do this, zoom in to the point where you can see all model objects and the terrain file boundaries. With your mouse, click and hold the left mouse button in the lower left hand corner of the modeling domain, and drag the mouse to the upper right hand corner. Purple lines will be displayed showing you the area that will be processed by AERMAP.

Release the mouse after you have reached the upper right hand corner of the region you would like processed. Be sure you have included all your receptors and other modeling objects within the shaded region that is created as you drag your mouse. Terrain elevations will not be imported for model objects outside the hill height boundary and AERMAP will experience a fatal error if the boundary does not encompass all receptors.

Note: The area defined by the user-defined border is the area that will be available for display in the 3D view as a shaded relief image.

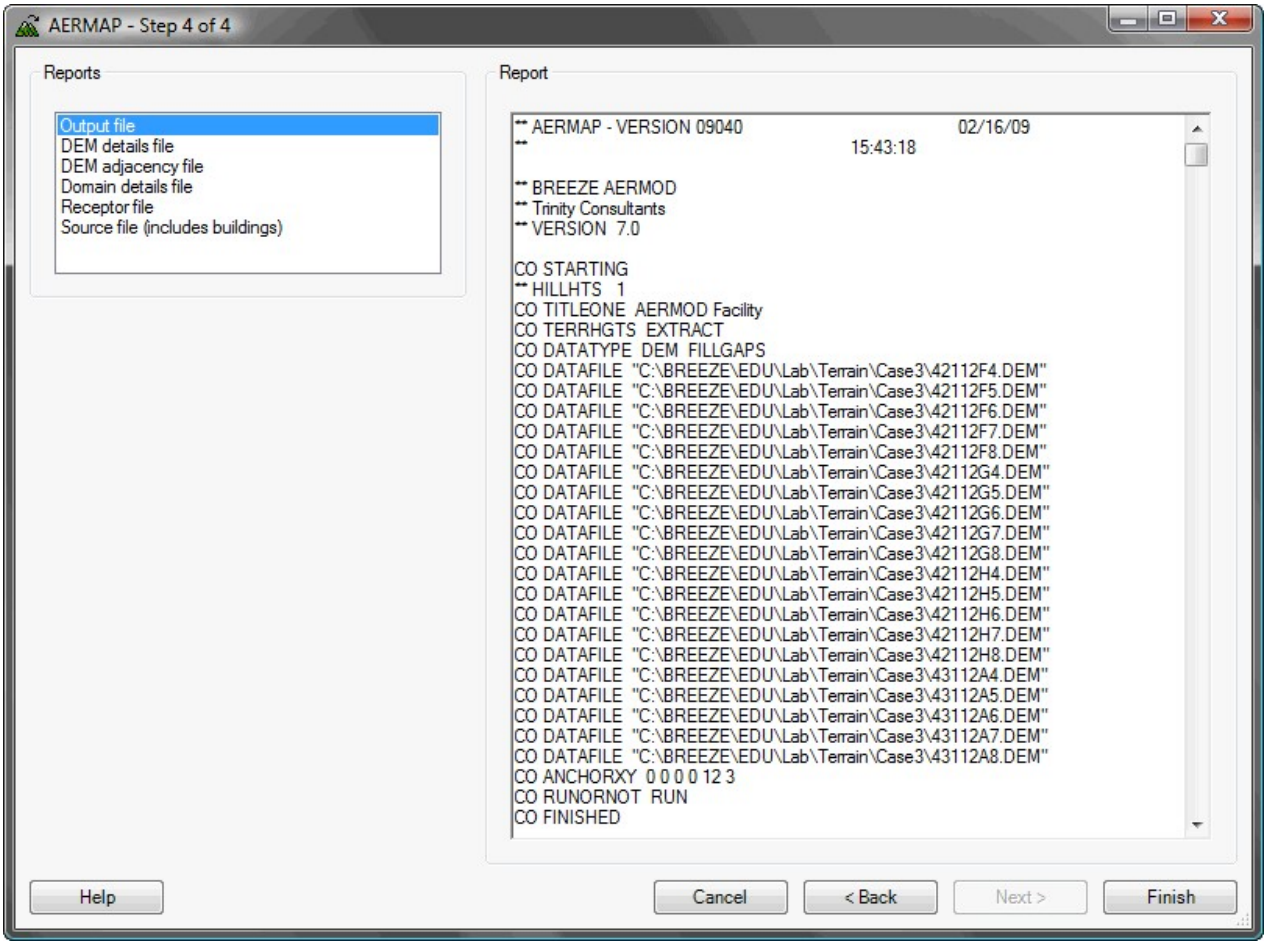
After the hill height boundary is defined by the user, the coordinates of its Southwest corner and Northeast corner will be given in the following group box.

Run AERMAP



A dialog box will display and ask the user to run AERMAP. After clicking the Yes button, a console window will show and display any messages generated from the run. Close the console window after AERMAP run is finished, the following report window appears.

Reports



The user can click any of the radio buttons to display the files one at a time in the Report panel.

Terrain File Formats

BREEZE AERMOD and ISC import a variety of popular terrain file formats. Each is described below. Should you require BREEZE to process a different format, please contact our support staff.

USGS National Elevation Dataset (NED) GeoTIFF

Beginning with AERMAP 09040, the U.S. EPA included compatibility in AERMAP with a new terrain file format: GeoTIFF files from the National Elevation Dataset (NED). The NED as compiled by the United States Geological Survey (USGS) represents some of the most up-to-date terrain files available. NED has three resolutions currently available: 1 arc second (30 meter resolution) for the entire United States, 1/3 arc second (10 meter resolution) for most of the U.S., and 1/9 arc second (3 meter resolution) for smaller portions of the U.S.

USGS DEM 7.5 Minute

These are Digital Elevation Model (DEM) files from the United States Geological Survey (USGS). They cover an area that is 7.5 minutes of latitude by 7.5 minutes of longitude (roughly 14 km) at a horizontal resolution of 30 meters.

USGS DEM 1 Degree

These are Digital Elevation Model (DEM) files from the United States Geological Survey (USGS). They cover an area that is 1 degree of latitude by 1 degree of longitude (roughly 100 km) at a resolution of 3 arc-seconds (~ 90 meters at the middle latitudes).

UK Ordnance Survey NTF

These are digital terrain files in the UK Ordnance Survey (OS) Landranger format or Profile format. For Landranger format, each file covers a 20 km by 20 km square area; for Profile format, each file covers a 5 km by 5 km area.

Note: The Ordnance Survey formatted files must be converted to the digital elevation model (DEM) format using NTF2DEM.EXE prior to using AERMAP. A copy of this executable is included with the BREEZE AERMOD modeling system and can be found in the directory where you installed BREEZE, usually C:\Program Files\BREEZE\Aermod7. This program can be run in a DOS window. DEM files converted in the past by older NTF2DEM executables will not work with the 09040 or 06341 versions of AERMAP. The user needs to reconvert the NTF file with the current NTF2DEM.exe that comes in with BREEZE AERMOD/ISC.

Convert NTF files to DEM file

You can copy NTF2DEM.exe to the directory where you have kept the NTF files. Open a DOS window and set the current path to the directory where NTF2DEM.exe and NTF files are and use the command line:

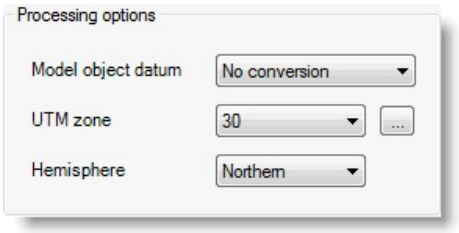
```
NTF2DEM.EXE filename.NTF filename.DEM
```

For example, an Ordnance Survey file named TQ64.NTF can be converted to a DEM file named TQ64.DEM (or some other name of your choosing, but ending with the extension ".DEM"), using the command

```
NTF2DEM.EXE TQ64.NTF TQ64.DEM
```

Importing elevations from NTF converted DEM files

When NTF files are converted into DEM files, USGS 7.5 minute specifications are applied, so that UTM zone number needs to be written into the file headers. To meet the requirement, UTM zone of 30 is arbitrarily written into the file header. Therefore, when importing elevations from NTF converted DEM files, **UTM zone** 30 has to be selected in the Processing options group box. In addition, for the **Model object datum** drop down list, No conversion needs to be chosen. To understand the reason behind these requirements, please go to the next section, Import Elevation for Non-US locations.



XYZ Formatted

Note: The XYZ terrain files can be reformatted to USGS 7.5 minute specifications. This will allow data manually extracted from topo maps to be processed by AERMAP. These reformatted files can also be used for direct importation of elevation data.

XYZ formatted files can be converted to the digital elevation model (DEM) format using XYZ2DEM.EXE prior to using AERMAP or importing elevations. A copy of this executable is included with the BREEZE modeling system and can be found in the directory where you installed BREEZE, usually it's C:\Program Files\BREEZE\Aermod7. This program can be run in a DOS window. using the following command line:

Convert XYZ files to DEM file

You can copy XYZ2DEM.exe to the directory where you have kept the XYZ files. Open a DOS window and set the current path to the directory where XYZ2DEM.exe and XYZ files are and use the command line:

```
XYZ2DEM.EXE filename.XYZ  filename.DEM
```

For example, an XYZ file named MYDATA.XYZ can be converted to a DEM file named MYDATA.DEM (or some other name of your choosing, but ending with the extension ".DEM"), using the command:

```
XYZ2DEM.EXE    MYDATA.XYZ    NYDATA.DEM
```

After the program starts, it'll prompt you to input the UTM zone in which the XYZ file falls in. A UTM Zone map is included in the Projection Options for reference.

While the XYZ input data can consist of data having coordinates in any system, users must follow some specific format instructions in order to properly convert the data:

- Data **must** be organized in 3 columns (X, Y, and Z) with either commas or spaces separating those columns
- Both the x and y coordinates **must** be in ascending order
- There **must** be the same number of X values for each Y and vice-versa (i.e., the file has to be “square” in terms of the number of x and y values that would compose a grid)
- The spacing of the x and y values **must** be uniform (i.e., x coordinates must all be the same distance apart, same for y

coordinates). The x-spacing **does not** have to equal the y-spacing.

- A header is required with the following information. Each parameter is on the first line, separated by a space:

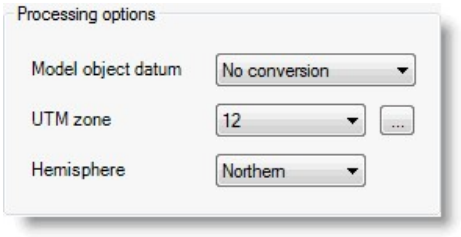
Filename - in quotation marks
X-coordinate of southwest corner
Y-coordinate of southwest corner
number of x points
number of y points
spacing of x points
spacing of y points
horizontal units (m for meters, ft for feet)
vertical units (m for meters, ft for feet)
format - XYZR for row-wise ordering, XYZC for column-wise ordering

In XYZC ordering, the x coordinate is fixed, while the y coordinate varies. This is evidenced by x values in the first column that remain fixed, while y values (second column) change. A portion of an example file is included in this User's Guide.

Note: DEM files converted in the past by older XYZ2DEM.exe don't work with the 09040 or 06341 versions of AERMAP. The user needs to reconvert the XYZ file with the current XYZ2DEM.exe that comes in with BREEZE AERMOD/ISC.

Importing elevations from XYZ converted DEM files

To import elevations from XYZ converted DEM files, make sure in the Processing options group box, choose No conversion for **Model object datum.** The UTM zone should be consistent with the UTM zone that you've provided for XYZ to DEM conversion. To understand the reason behind these requirements, please go to the next section, Import Elevation for Non-US locations.



XYZ2DEM Example

Below is a portion of a 21 x 21 terrain file in XYZC format.

```
"test" 740250 4348700 21 21 100 100 m m XYZC
740250 4348700 584.0
740250 4348800 575.0
740250 4348900 582.7
740250 4349000 590.5
740250 4349100 595.0
740250 4349200 597.0
740250 4349300 597.3
740250 4349400 596.8
740250 4349500 597.3
740250 4349600 596.9
740250 4349700 595.6
740250 4349800 596.5
740250 4349900 596.7
740250 4350000 597.8
740250 4350100 599.0
740250 4350200 600.1
740250 4350300 599.7
740250 4350400 595.7
740250 4350500 594.7
740250 4350600 596.8
740250 4350700 593.9
740350 4348700 584.5
740350 4348800 574.1
740350 4348900 572.6
740350 4349000 578.2
740350 4349100 585.5
740350 4349200 591.7
740350 4349300 595.8
740350 4349400 594.9
740350 4349500 595.3
740350 4349600 594.9
740350 4349700 593.9
```

```
740350 4349800 594.4
740350 4349900 595.0
```

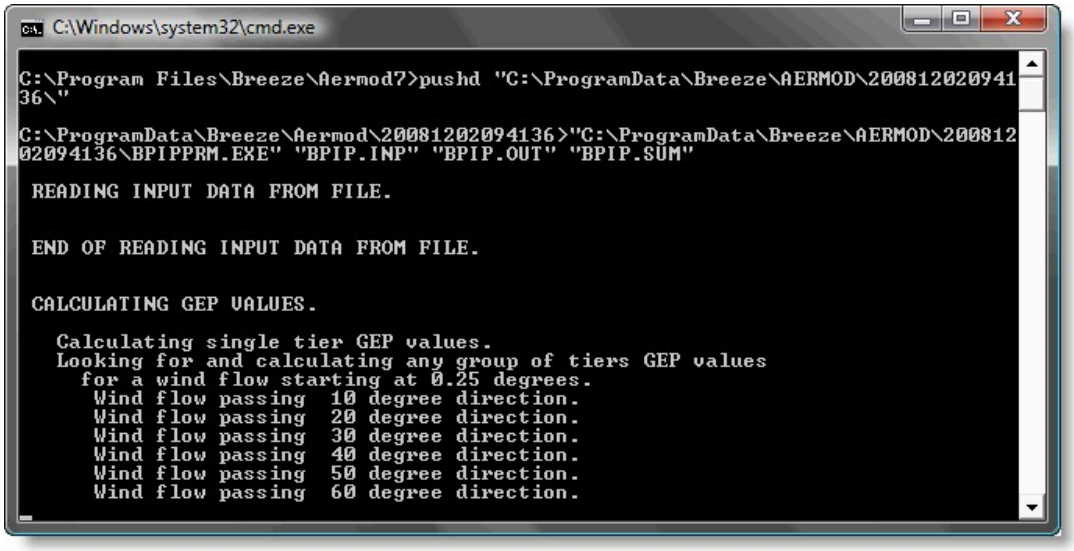
Import Elevation for Non-US Locations

With the release of AERMAP 09040 by the U.S. EPA, AERMAP now includes support for DEM files located outside the United States without any additional steps taken. Eastern and Southern hemisphere projects can use the AERMAP_EPA_09040 executable without error.

BPIP Model Run

To include building downwash impact in modeling, the BPIP (Building Profile Input Program) program must be run first.

Whenever the source locations, stack height, or building locations and dimensions are changed, BPIP has to be run again to update the building downwash data.


C:\Windows\system32\cmd.exe
C:\Program Files\Breeze\Aermod7>pushd "C:\ProgramData\Breeze\AERMOD\20081202094136\"
C:\ProgramData\Breeze\Aermod\20081202094136>"C:\ProgramData\Breeze\AERMOD\20081202094136\BPIPPRM.EXE" "BPIP.INP" "BPIP.OUT" "BPIP.SUM"
READING INPUT DATA FROM FILE.
END OF READING INPUT DATA FROM FILE.
CALCULATING GEP VALUES.
Calculating single tier GEP values.
Looking for and calculating any group of tiers GEP values
for a wind flow starting at 0.25 degrees.
Wind flow passing 10 degree direction.
Wind flow passing 20 degree direction.
Wind flow passing 30 degree direction.
Wind flow passing 40 degree direction.
Wind flow passing 50 degree direction.
Wind flow passing 60 degree direction.

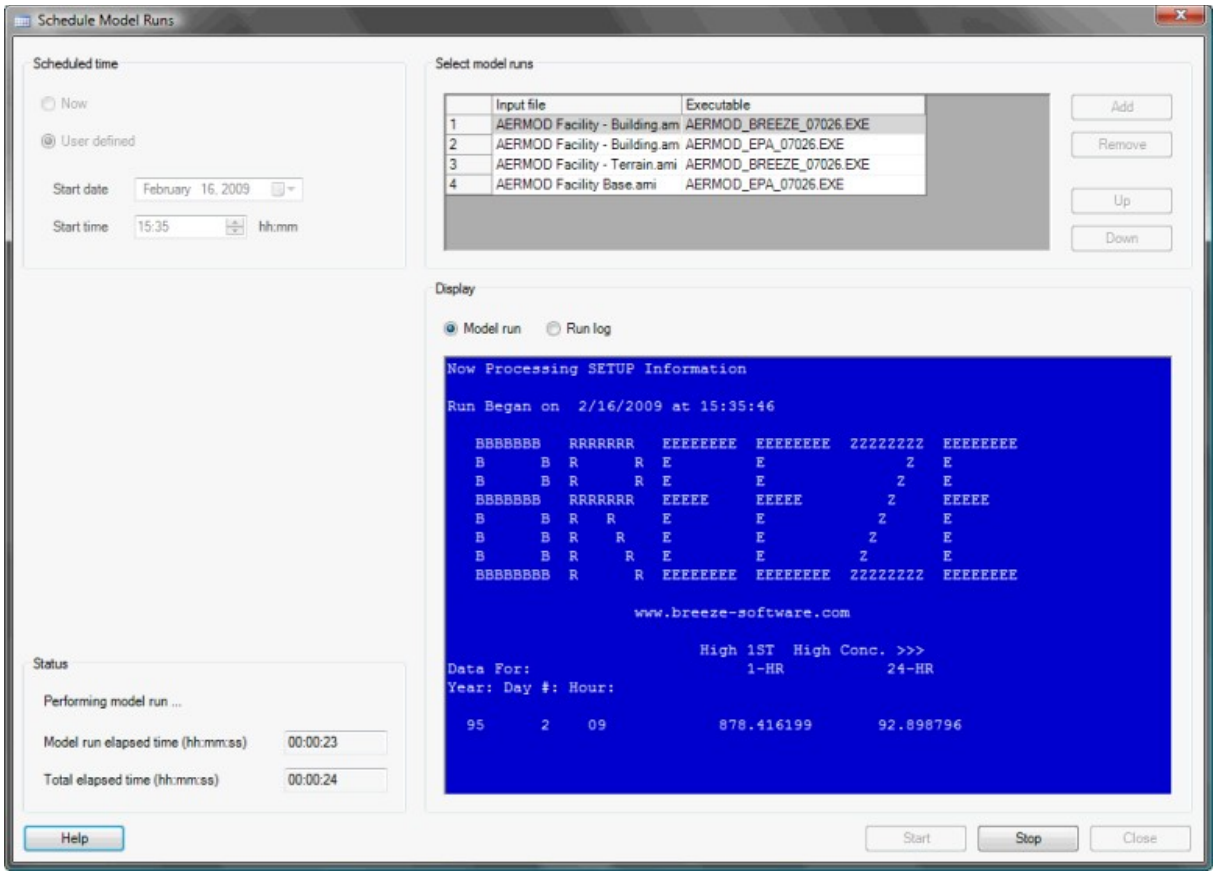
Schedule Model Run

NOTE: The Model Run Scheduler is **only available in the Pro and Pro Plus versions** of BREEZE AERMOD/ISC. To upgrade your version, contact us.

NOTE: BREEZE ISC does not have the Schedule Model Run function.

The user can choose to run more than one scenario sequentially (batch runs) from Analysis | Schedule Run.

The following form is displayed.



Schedule time

Now: Select this option to begin running the sequence of model runs immediately after the Start button is selected.

User Defined: Select this option to specify a time in the future to begin the sequence of model runs after the Start button is selected.

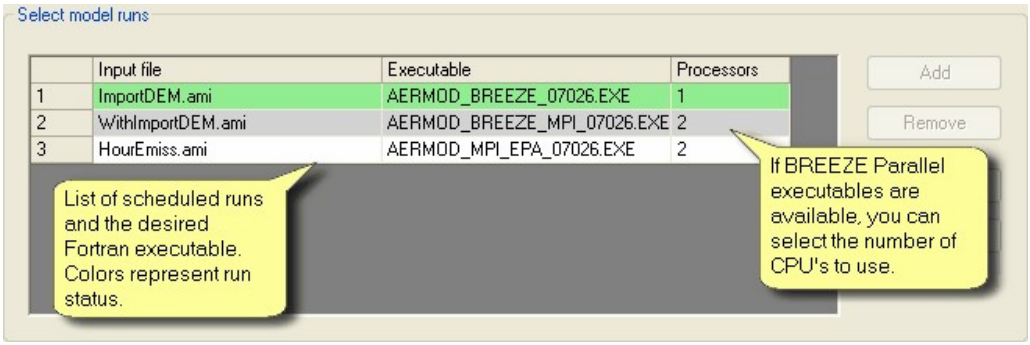
Select model runs

Add, Remove, Up, and Down buttons: Use these buttons to select and arrange the sequence of model input files to be processed.

Executable: By default, the Fortran executable identified in the model input file is used. The user has the option to select an alternative executable if available.

Processors: Displayed if the BREEZE AERMOD Parallel Fortran hardware key is installed. The user can select the number of processors to use for individual runs. This feature is valid for Executables that have the MPI designator in its name.

Color coding: Each model run in the table is color coded as follows:
Green: Model scenario completed successfully
Red: Model scenario did not complete successfully
Grey: Model scenario currently running
White: Model scenario has not yet begun


Select model runs
Input file
Executable
Processors
1 ImportDEM.ami AERMOD_BREEZE_07026.EXE 1
2 WithImportDEM.ami AERMOD_BREEZE_MPI_07026.EXE 2
3 HourEmiss.ami AERMOD_MPI_EPA_07026.EXE 2
Add
Remove
List of scheduled runs and the desired Fortran executable. Colors represent run status.
If BREEZE Parallel executables are available, you can select the number of CPU's to use.

Performance

Memory usage: Displays the computers current usage of random access memory (RAM). The amount of memory installed on the computer is displayed between the parentheses.

Disk usage: Displays the computers current level of hard disk space on the drive where the operating system is installed. In most cases, this

is drive C:/.

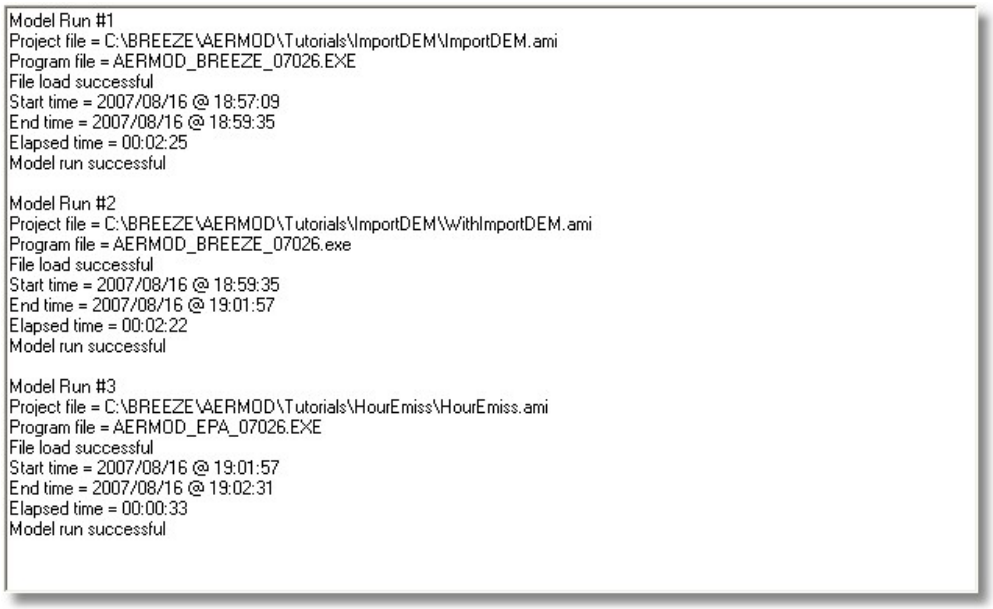
Status

The status of the model run(s) is displayed. The first value shows the elapsed time for the current model run while the second value shows the total elapsed time for all model runs.

Display

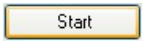
Model run: Select this option to display the runtime output display from the selected Fortran executable.

Run log: Select this option to display a summary of runtime statistics.

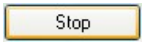

Model Run #1
Project file = C:\BREEZE\AERMOD\Tutorials\ImportDEM\ImportDEM.ami
Program file = AERMOD_BREEZE_07026.EXE
File load successful
Start time = 2007/08/16 @ 18:57:09
End time = 2007/08/16 @ 18:59:35
Elapsed time = 00:02:25
Model run successful
Model Run #2
Project file = C:\BREEZE\AERMOD\Tutorials\ImportDEM\WithImportDEM.ami
Program file = AERMOD_BREEZE_07026.exe
File load successful
Start time = 2007/08/16 @ 18:59:35
End time = 2007/08/16 @ 19:01:57
Elapsed time = 00:02:22
Model run successful
Model Run #3
Project file = C:\BREEZE\AERMOD\Tutorials\HourEmiss\HourEmiss.ami
Program file = AERMOD_EPA_07026.EXE
File load successful
Start time = 2007/08/16 @ 19:01:57
End time = 2007/08/16 @ 19:02:31
Elapsed time = 00:00:33
Model run successful

Example of Run Log for three executed model runs.

Start, Stop, Close Buttons



Starts the Fortran model runs



Stops the model runs. Using this button will interrupt the Fortran executables and prevent any further execution. Execution will not restart where processing left off if the Start button is subsequently selected.

Closes the Scheduler form.

Viewing Model Output

Model output from scheduled runs do not automatically display in the Reports Tab. To view results:

1. Open the model scenario using the Open menu item under the Application button
2. Use the Zip File Manager (Project Tools | Zip File Manager) to extract the model input and output files
3. Open the compressed model scenario .amz file with BREEZE 3D Analyst

AERMOD Event Run

In air quality dispersion modeling applications, the user may have a need to know the contribution that a particular source makes to an overall concentration value for a group of sources. The AERMOD model provides the option of specifying source groups for which the model calculates high values independently. However, users may often have to run the model a second time selecting only specific days where the high values occurred, and setting up each source in its own source group in order to obtain source contribution results.

The primary difference between routine AERMOD and EVENT processing is in the treatment of source group contributions. The AERMOD model treats the source groups independently. EVENT processing is designed to provide source contributions to particular events, such as the design concentrations determined from AERMOD, or user specified events. The user may specify the "events" to process using the EVent pathway, which lists specific combinations of receptor location, source group, and averaging period. The events included in the generated EVENT processing input file are the design concentrations defined by the RECTABLE keyword and the threshold violations identified by the MAXIFILE keyword on the OU pathway.

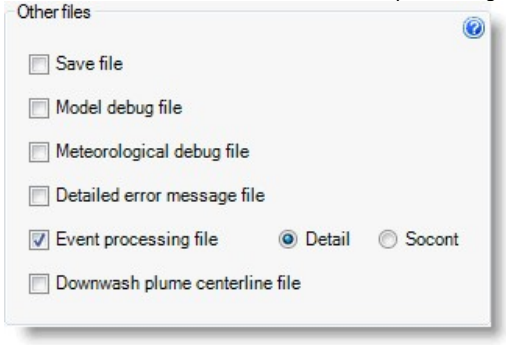
Prerequisite for an Event Model Run

Event processing can occur after a full AERMOD model run has been performed with the Event output option selected. Unlike standard AERMOD processing. Event processing treats the source groups independently. It is designed to provide source contributions to particular events, such as the design concentrations determined from AERMOD, or user specified events

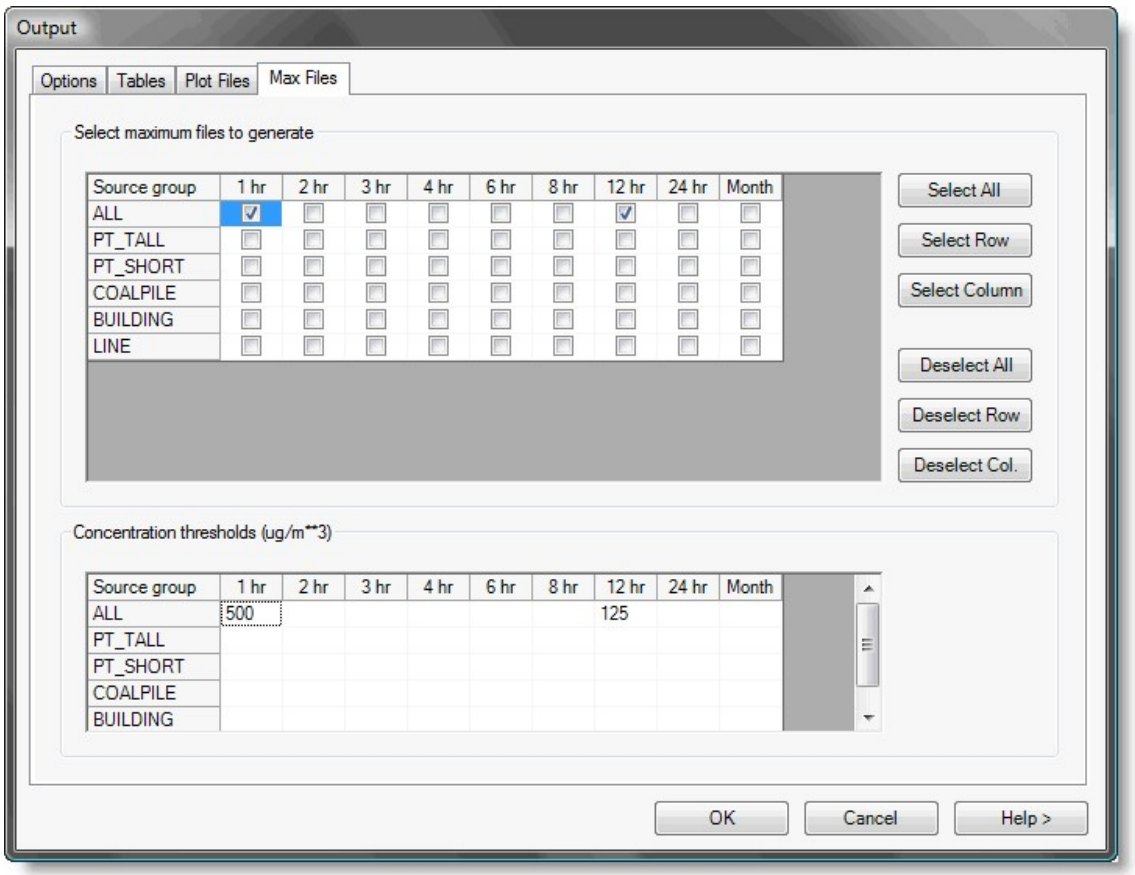
Creating an Event Input File

The Event input file is created automatically during the execution of a standard AERMOD model run.

1. Select Output from the Model Options menu item
2. Select the *Other Files* tab
3. Place a check mark in the *Generate event processing* check box as displayed below



4. Events will be created for the high concentrations identified for the averaging periods in the Tables tab.
5. Additional Events can be specified by specifying thresholds in the Max Files tab in the Output Options form.
6. Specify the threshold concentrations for the desired averaging periods.



7. Select the Analysis | Model Run. The BREEZE Dashboard will be displayed. Select the Start button to begin processing. An event input file will be generated by the AERMOD run. This event file can be found in the .amz file (Project Tools | Zip File Manager) and the Reports Tab.
8. After a successful standard AERMOD model run, you can begin the Event processing. Select the Analysis | Event Model Run. The BREEZE Dashboard will be displayed. Select the Start button to begin processing.
9. Select the Event Output File in the Reports Tab to view the tabular results.